

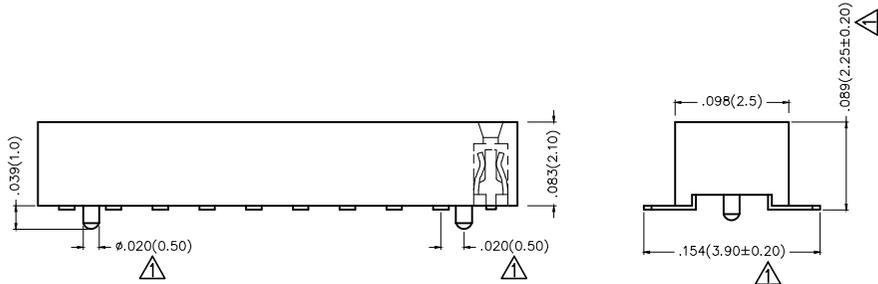
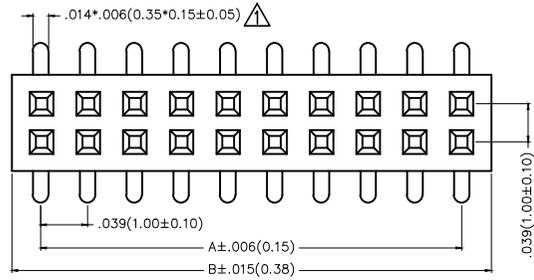
| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|--------------------------------|-----------|---------|--------|
| 1 | △ | Size changes | 09/JUL/20 | KATE | CHERRY |
| 2 | △ | Amend Electrical specification | 14/JUN/24 | KATE | LEO |

Electrical

Current Rating: 1A AC(rms)/DC
 Voltage Rating: 250V AC(rms)/DC
 Contact Resistance: 20 mΩ Max
 Insulation Resistance: 1000 MΩ MIN △
 Withstanding Voltage: 500V AC r.m.s △
 Temperature Range—Operating: -40°C~+85°C

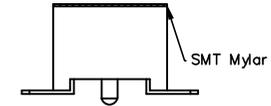
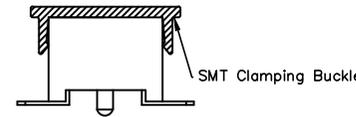
Material and Plating

Housing: Glass Filled Polyester(UL 94V-0)
 Contact Pin: Phosphor Bronze
 Plating: Gold Plated



Packing: M—Reel(With Cap)

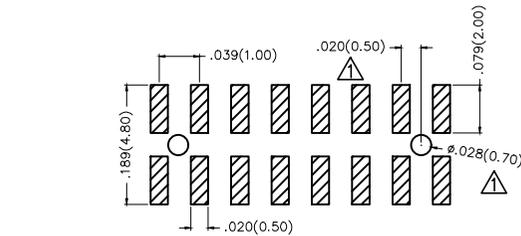
Packing: M1—Reel(With Mylar)



Ordering Information

FFH 100 02 — D XX S X XX 4 K6 XX
 1 2 3 4 5 6 7 8 9 10 11

| | | | | | |
|---------------------------------|--|----------------------------|------------------------------|---|----------------------------------|
| 1 Category FFH—Female Header | 2 Series Number 100—Pitch1.00mm | 3 Distinction No. 02 | 4 Row Option D—Double Row | 5 Circuits XX | 6 Entry Angle S—180° Vertical |
| 7 Plating 1—Gold Plated | 8 Thickness of Plating 00—Gold Flash 01—1μ" 05—5μ" Custom plate available | 9 Material—Resin 4—PA6T | 10 Color—Resin K6—Black | 11 Packaging M—Reel(With Cap) M1—Reel(With Mylar) L—Tube | |



Recommended P.C.Board Layout

| | | | | | | | |
|------------------------|---------------------------------------|--|--|----------------------|--|---|---|
| THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 10/JUL/13 | PART NO. FFH10002—DXXSXX4K6XX | ITEM NO. FFH10002 |  Leader Of Industry |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10) | X'±5" .X'±2" .XX'±1" .XXX'±0.5" | CHECKED BY CHERRY | DATE 10/JUL/13 | TITLE Board to Board (Female Header) Pitch 1.00mm 180° Vertical (SMT) | |
| SCALE 5:1 | SIZE A4 | | DRAWN BY JACOB | DATE 10/JUL/13 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | REV 2 SHEET NO. 1/2 |

| REV | LOCATIONS | DESCRIPTION | DATE | REVISER | APPD |
|-----|-----------|-------------|------|---------|------|
| | | | | | |

| Circuits (n) | Part No. | Dimensions(in/mm) | | Circuits (n) | Part No. | Dimensions(in/mm) | |
|--------------|----------------------|-------------------|-------------|--------------|----------------------|-------------------|--------------|
| | | A | B | | | A | B |
| 6 | FFH10002-D06SXXX4K6M | .079(2.00) | .138(3.50) | 44 | FFH10002-D44S1XX4K6M | .827(21.00) | .886(22.50) |
| 8 | FFH10002-D08SXXX4K6M | .118(3.00) | .177(4.50) | 46 | FFH10002-D46S1XX4K6M | .866(22.00) | .925(23.50) |
| 10 | FFH10002-D10SXXX4K6M | .157(4.00) | .217(5.50) | 48 | FFH10002-D48S1XX4K6M | .906(23.00) | .965(24.50) |
| 12 | FFH10002-D12SXXX4K6M | .197(5.00) | .256(6.50) | 50 | FFH10002-D50S1XX4K6M | .945(24.00) | 1.004(25.50) |
| 14 | FFH10002-D14SXXX4K6M | .236(6.00) | .296(7.50) | 52 | FFH10002-D52S1XX4K6M | .984(25.00) | 1.043(26.50) |
| 16 | FFH10002-D16SXXX4K6M | .276(7.00) | .335(8.50) | 54 | FFH10002-D54S1XX4K6M | 1.024(26.00) | 1.083(27.50) |
| 18 | FFH10002-D18SXXX4K6M | .315(8.00) | .374(9.50) | 56 | FFH10002-D56S1XX4K6M | 1.063(27.00) | 1.122(28.50) |
| 20 | FFH10002-D20SXXX4K6M | .354(9.00) | .413(10.50) | 58 | FFH10002-D58S1XX4K6M | 1.102(28.00) | 1.161(29.50) |
| 22 | FFH10002-D22SXXX4K6M | .394(10.00) | .453(11.50) | 60 | FFH10002-D60S1XX4K6M | 1.142(29.00) | 1.201(30.50) |
| 24 | FFH10002-D24S1XX4K6M | .433(11.00) | .492(12.50) | 62 | FFH10002-D62S1XX4K6M | 1.181(30.00) | 1.240(31.50) |
| 26 | FFH10002-D26S1XX4K6M | .472(12.00) | .531(13.50) | 64 | FFH10002-D64S1XX4K6M | 1.221(31.00) | 1.280(32.50) |
| 28 | FFH10002-D28S1XX4K6M | .512(13.00) | .571(14.50) | 66 | FFH10002-D66S1XX4K6M | 1.260(32.00) | 1.319(33.50) |
| 30 | FFH10002-D30S1XX4K6M | .551(14.00) | .610(15.50) | 68 | FFH10002-D68S1XX4K6M | 1.299(33.00) | 1.358(34.50) |
| 32 | FFH10002-D32S1XX4K6M | .591(15.00) | .650(16.50) | 70 | FFH10002-D70S1XX4K6M | 1.339(34.00) | 1.397(35.50) |
| 34 | FFH10002-D34S1XX4K6M | .630(16.00) | .689(17.50) | 72 | FFH10002-D72S1XX4K6M | 1.378(35.00) | 1.437(36.50) |
| 36 | FFH10002-D36S1XX4K6M | .670(17.00) | .728(18.50) | 74 | FFH10002-D74S1XX4K6M | 1.417(36.00) | 1.476(37.50) |
| 38 | FFH10002-D38S1XX4K6M | .709(18.00) | .767(19.50) | 76 | FFH10002-D76S1XX4K6M | 1.457(37.00) | 1.516(38.50) |
| 40 | FFH10002-D40S1XX4K6M | .748(19.00) | .807(20.50) | 78 | FFH10002-D78S1XX4K6M | 1.496(38.00) | 1.555(39.50) |
| 42 | FFH10002-D42S1XX4K6M | .787(20.00) | .846(21.50) | 80 | FFH10002-D80S1XX4K6M | 1.535(39.00) | 1.594(40.50) |

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|--|---------------------------------------|------------------|---------------------|----------------------|-----------------------------------|--|---|---------------|--|
|  THIRD ANGLE PROJECTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | APPROVE BY FRANK | DATE 10/JUL/13 | PART NO. FFH10002-DXXSXXX4K6XX | ITEM NO. FFH10002 |  Leader Of Industry | | |
| | DESIGN UNITS Inch (metric) | X.±.012(0.30) | X'.±5' | CHECKED BY CHERRY | DATE 10/JUL/13 | TITLE Board to Board (Female Header) Pitch 1.00mm 180° Vertical (SMT) | | | |
| | | X.XX±.008(0.20) | .X'±2' | DRAWN BY JACOB | DATE 10/JUL/13 | REV 2 | | SHEET NO. 2/2 | |
| | | X.XX±.006(0.15) | .XX'±1' | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| SCALE 5:1 | SIZE A4 | X.XXX±.004(0.10) | .XXX'±0.5' | | | | | | |